## INDEX TO VOLUME IV.

A CASE of acute purulent inflammation of middle ear with two attacks of double optic neuritis, no mastoid complication, frequent delirium, two operations and recovery, 57.

A case of cerebral clot; loss of vision following injury: trephining; recovery, 42.

A case of chalkosis retinæ (Goldzieher), 172.

A case of circumscribed gummatous ulcerative tumor of the larynx, 436.

A case of fibroma of the nasal fossa, 220. A case of gunshot injury involving both eyes, studied nine years after the accident, 350.

A case illustrating the relation between the muscular balance of the eyes and their refractive condition, 326.

A case of membrana pupillaris perseverans in both eyes in an adult, 353.

A case of retention of a metallic splinter in a blind eye for seventeen years without the occurrence of sympathetic inflammation, 353.

A case of sympathetic ophthalmia from iridectomy, 476.

A cicatrix of the membrana tympani, vibrating synchronously with the respiration and the pulse, 531.

Acute purulent inflammation of middle ear, 57.

A few modifications in the operating process of adenoid tumors, 222.

Alderton, H. A., Translations from foreign current otological literature, 77, 395, 551.

Abscess of the maxillo-pharyngeal space; ulceration of the internal carotid; opening of the purulent pocket into the pharynx and into the external auditory canal without lesion of the tympanum, 555.

A case of myxo-sarcoma of the tympanum, 554.

A cicatrix of the membrana tympani vibrating synchronously with the respiration and the pulse, 531.

A method to render microscopic preparations of the hearing organs transparent, 403. Ametropia in microscopic work, 47. A new and more convenient instrument than the Politzer air bag for inflating the middle ear, 76.

A new operation for trichiasis and distichiasis, 41.

An anomalous case of interstitial keratitis, 163.

An otological convenience, 525.

A rare case of verbal deafness, 402. Australian Otological Society, 556.

Collection of ascarides developed in the interior of the mastoid process, and spontaneously discharged externally, 552.

Communication upon deep brain abscess consequent upon acute disease of the temporal bone, 397.

Eczema of the external auditory canal, 552.

Foreign body in the external auditory canal, 522.

Further contribution to the curepromoting complication of the acute purulent tympanic inflammation, 77.

Intra-tympanic injections in the treatment of dry catarrh of the middle ear, 555.

Malformation of the auricle, 78.

Observations on hereditary syphilis of the middle ear, 401.

Rubber protector for the Politzer nose-piece, 78.

Stacke's operation in sub-dural abscesses, 555.

The influence of affections of the upper air-tract upon the ear, 63.

The influence of fatigue upon the auditive function, 553.

Treatment of cerebral abscess sequel to otitis media, 551.

Tri-chloracetic acid in chronic suppuration of the ear, 395.

Two cases of hematoma of the external auditory canal in children, 402. Upon deaf-dumbness, 77.

An otological convenience, 525.

American Medical Association, section of ophthalmology, program, 234.

An argument for amblyopia ex-anopsia in convergent strabismus, 149.

An unusual case of aural deformity; operation, 201.

A new and more convenient instrument than the Politzer air bag for inflating the middle ear, 76.

A new artificial eye made entirely of glass, and giving images of exactly the same size as the schematic eye of Helmholtz, 320.

A new mastoid retractor, 528,

A new middle ear syringe, 527.

A problem in cemented bi-focal lenses solved by the prism-diopter, 20.

Autoscopy of the air passages (inspection without laryngeal mirror), 602.

BAGINSKY, B., On cholesteatoma of the ear, 71.

Ball, James Moores, Treatment of traumatic cataract attended by rapid swelling of the lens, 16.

Banister, J. M., A case of membrana pupillaris perseverans in both eyes in an adult. 354.

A case of retention of a metallic splinter in a blind eye for seventeen years without the occurrence of sympathetic inflammation, 353.

Barnes, J. Steele, Systematic acoustic gymnastics in the treatment of deafmutism, and cases of nerve-deafness in general, 390.

Bates, W. H., A new middle ear syringe, 527.

Belt, E. Oliver, Prognostic significance of albuminuric retinitis, 291.

Boerne Bettman, Ripening of immature cataract by direct trituration, 29.

Bilateral, congenital ptosis, associated with complete paralysis of all the external ocular muscles, 55.

Black, G. Melville, The nasal trephine in hypertrophy of the inferior turbinated body, 91.

Book notices, A book for trial-lenses, 95. An old French Ophthalmic Journal in American dress (Annales d'Oculistique), 243.

A practical system of self-instruction in the German language for physicians and medical students. Albert Pick, 95.

A system of legal medicine, 445.

Chemically pure hypophosphites. Syrup of hydriodic acid. Therapeutical indications for use, with clinical data, 244.

One hundred years of business life, Schieffelin & Co., 96. Skiascopy and its practical application to the study of refraction. Edward Jackson, 444.

The toxic amblyopias; their symptoms, varieties, pathology and treatment. Casey A. Wood, 242.

The Year-book of Treatment for 1895, 447.

Transactions of the sixteenth annual meeting of the American Laryngological Association, 243.

Wills Eye Hospital Reports, Vol. 1, No. 1, 444.

Brown, Edward J., Recurrent ulcers of the cornea of nasal origin; episcleritis; cure. 241.

Bruner, Wm. E., Detachment of the retina, 36.

Traumatic paralysis of the external rectus, 473.

Bull, Charles Stedman, Purulent inflammation of the eyeball and orbital tissue, and paralysis of the ocular muscles as possible complication or sequize of influenza, 157.

CANTRELL, J. Abbott, Eczema of the ears, 535.

Cellulitis following Mules' operation, 42. Chappell, Walter F., Semi-fluid preparations for nasal use, 225.

Cholesteatoma of the ear, 71.

Chronic interstitial ophthalmitis (chronic simple glaucoma, 271.

Churchman, V. T., Pulsating exophthalmos, 486.

Clonic blepharospasm of hysterical origin in a male, 495. Coleman, W. Franklin, An argument for

amblyopia ex-anopsia in convergent strabismus, 149. Corneal opacities. Clinical study of cases treated by different methods, 1. Corneal suture in cataract extraction, 39.

DEDAVAN, D. Bryson, Extensive perforations of the bony septum, 214.

Dennis, David N., Corneal opacities.
Clinical study of cases treated by different methods, 1.

The injector of Delstanche, with modified middle ear tip, 204.

de Schweinitz, G. E., Remarks on the field of vision in certain cases of neglected eyes, 249.

Description of an improved form of trial frame, 498.

Dessar, Leonard A., Abstracts from current American and English otological literature, 412, 573.

> Acute attical disease, 574. A few otological don'ts, 413.

An electric pressure sound for the direct vibration of the membrana tympani, 577.

Clonic spasm of the tensor tympani, 412.

Deafness from intra-nasal disease, 575.

Diffuse external otitis, 416.

Evacuation of the tympanum, 415. Furunculosis of the external auditory canal, 412.

Mastoid operations in diabetes, 575.
Otitis media as a complication of pneumonia, 573.

Successful mechanical treatment of some unusual aural conditions, 414.

The electro-pneumatic masseur in tinnitus aurium, 414.

The prevention of mastoid empyema, 576.

The prime effect upon the ear of nasal stenosis, 513.

Vibratory treatment for deafness, 575.

Detachment of the retina, 36.

Dodd, Oscar, Hereditary retro-bulbar neuritis, 300.

EATON, F. B., Identical retinal impressions on corresponding points not necessary for binocular single vision, 452.

The laws of parallel ocular motion and their misstatement in treatises and text-books, 109.

Eczema of the ears, 535.

Embolism of the inferior branch of the central retinal artery, 35.

Exfoliation of the cochlea, vestibule and semi-circular canals, 189.

Extension of tubercular inflammation to the base of the temporo-sphenoidal lobe, 68.

Extensive perforations of the bony septum, 214.

## FIBROMA of eyelids, 34.

Foreign bodies in the ear and nose, 228. Foreign body in sclera for thirteen years, 164.

Foster, Hal, The use of local applications of guaiscol in diseases of the throat, 233.

Foucher, A. A., A few modifications in the operating process of adenoid tumors, 222.

Three cases of eye diseases of dental origin, 500.

Freudenthal, W., The so-called bleeding polypus of the nasal septum, 424.

Further contribution to the cure-promoting complication of the acute purulent tympanic inflammation, 77.

GALLICIN, a gallic acid derivative—its use in the treatment of eye diseases, 338.

Glaucoma curable without operation, 132. Gleitsmann, J. W., Autoscopy of the air passages (inspection without laryngeal mirror), 602:

The application of the galvanocautery in the nasal passages, 216.

Translations from current foreign laryngological literature, 436, 602.

Surgical treatment of laryngeal tuberculosis, 431.

Goldstein, M. A., Exfoliation of the cochlea, vestibule and semi-circular canals, 189.

Gomez, Vincent, The evils of Wilde's incision, 547.

Tinnitus aurium and some results obtained by ita treatment with coniin hydrobromate, 540.

Goode, Geo. H., Emblolism of the inferior branch of the central retinal artery, 35. Fibroma of eyelids, 34.

Gould, George M., Some findings concerning so-called muscle-imbalance and its treatment, 262.

Gradle, H., Which nerves give rise to the sensation of photophobia? 454.

Greene, D. Milton, Reports of seven interesting ear cases, 379.

HAMILTON, E. E., The quarter dioptry cylinder—some testimony for, 328.

Hardie, T. Melville, Abstracts from current foreign otological literature, 206, 405, 561.

An unusual cases of otitis externa, 572.

Classified list of the contributions to otological literature for 1894, 79. Experiments on the irrigation of

the typmpanic cavity, 406. Extrinsic auricular reflexes, 409.

Iron, silver, lead and mercury in diseases of the ear, 570.

Irrigation of tympanum, 407.

Lining mastoid cavity after chiselling, 411.

Methods of operation in the various brain complications of otitic origin, 566.

Operations on the mastoid apophysis, 212.

Proceedings of the fourth meeting of the German Otological Association, 564.

Pyemia of otitic origin, 206.

The rational treatment of acute otitis media, 208.

Shall we be conservative or radical as regards operation in acute mastoiditis? 572.

The prophylaxis and treatment of purulent otitis media in infants, 572.

The staphylococci and otorrhea, 211.
The treatment of tinnitus aurium,
sei

Transparent macroscopic preparations of the entire organ of hearing, 211.

Treatment of the attic in chronic suppuration, 408.

Hereditary retro-bulbar neuritis, 300.

Heustis, J. W., Some of the difficulties of an oculist in a small city, 238.

Hilgartner, H. L., Report of a case in counter evidence to the infectious theory of sympathetic ophthalmia, 340.

Holinger, J., An unusual case of aural deformity, 201.

Hope, Geo. B., Is acute tonsillitis in any way dependent upon the rheumatic

diathesis? 434. Horsey, Alfred J., Notes of a case of

glioma of the retina, 317. Sarcoma of choroid, 324.

Hotz, F. C., On the alleged action of the oblique muscles in oblique astigmatism, 101.

The reconstruction of the lid border in entropium of the upper lid, 296.

Hypermetropia of high degree, with a study of cases, 123.

DENTICAL retinal impressions on correspondent points not necessary for binocular single vision, 451.

Is acute tonsillitis in any way dependent upon the rheumatic diathesis? 434. Is glaucoma curable without operation?

Is the physiognomy of the fundus oculi in epilepsy characteristic? 144.

JOHNSON, Walter B., Removal of the superior maxillary bone for sarcoma, involving the central and orbital cavitles and the antrum of Highmore, 466.

KEIPER, George F., Tetanus following wound of lower eyelid, 336.

Knight, Charles H., A case of fibroma of the nasal fossa, 220.

Koerner, Otto, Tuberculosis of the temporal bone. Extension of the tubercular inflammation to the base of the temporo-sphenoidal lobe, 68. LEDBETTER, Samuel L., A case of sympathetic ophthalmia from iridectomy, 476.

Lederman, M. D., Abstracts from current rhinological and larvngological literature, 439, 606.

Abstracts of papers read at the Seventeenth Annual Congress of the American Laryngological Association, 431.

A case of congenital atresia of the naso-pharynx, 441.

A consideration of the vascular mechanism of the nasal mucous membrane, etc., 439.

An extreme case of angina ludovici arising from an inflamed tooth, 609.

Cocain in chloroform narcosis, 441.

Disease of the middle turbinated with pus in the ethmoid cells, 441.

Ecchondroma arising from nasal bone, 441.

Experiences with Paquin's antitubercle serum in the treatment of laryngeal tuberculosis, 608.

Foreign bodies in the ear and nose, 228.

Hemorrhagic pharyngitis, 440,

Multiple benign papillomata of the buccal mucous membrane, 607.

Physiology and anatomy of the nose, 606.

Recurrent nasal fibroma, 606.

Removal of the tonsils by the wire snare, 440.

Saddle-back nose, 442.

The etiology of nervous polypi of the nose, 609.

Trigeminal neuralgia and nasal disease, 609

Tuberculosis of the upper air passages, 607.

Tubercular tumors of the larynx, 439.

Zinc sterate in the treatment of atrophic rhinitis, 440.

LeMond, Robert Fields, Relationship between diseases of the eye and brain, 345.

MAY, CHARLES H., Abstracts from current American and English ophthalmological literature, 38, 174, 356, 563.

A case of cerebral clot; loss of vision following injury; trephining; recovery, 42.

A clinical study of 167 cases of glaucoma simplex, 508.

Affections of the eye in connection with gout, 514.

Ametropia in microscopic work, 47.

A new application of the keratometer of Javal, 364.

A new operation for ptosis, 361.

A new operation for trichiasis and distichiasis, 41.

Ante-partem ophthalmia neonatorum (intra-uterine ophthalmia), 183.

A suggestion as to the treatment of penetrating wounds of the ciliary region and lens, 179.

Blood-staining of the cornea, 365.

Cataract operations between the ages of 80 and 90, with a table of cases, 507.

Cellulitis following Mules' operation, 42.

Clinical and anatomical study of serous or simple cysts of the conjunctiva, 358.

Corneal suture in cataract extraction, 38.

Diabetic retinitis, 359.

Diseases of the eye dependent on the grip, 361.

Hints concerning the performance of the operation for the extraction of senile cataract, being a record of personal experience, 174.

How Javal's Keratometer may be easily changed into a good chromatometer for the examination of patients as to color-blindness, 516.

Interstitial keratitis and synovitis, with a report of a case in which both were unilateral, 362.

Note on 925 extractions of cataract,

Observations on some phases of opacity, and on luxation of the crystalline lens, 40.

Peculiar perversion of the color perception, 365.

Penetrating wounds of the eyeball, 511.

Preliminary report of 612 cases of convergent squint with special reference to the final resuts of operation, 503.

Removal of the iens for high degrees of myopia, 178.

Several considerations of the application of electrolysis in twelve cases of detachment of the retina, 510.

Some additional studies upon the clinical value of repeated careful correction of manifest refractive error in plastic iritis, 186.

Subconjunctival injections in the treatment of eye diseases, 43.

The association of certain forms of myopia with disease of the nose and pharynx, 507.

The etiology and treatment of internal strabismus, 187. The ocular symptoms of locomotor ataxia, 513.

The parallax test for heterophoria, 356.

The prevention and treatment of ophthalmia neonatorum, and the necessity for more efficient legislation to prevent blindness from this cause,

The physiology of certain oculomotor phenomena with respect to some recent theories of asthenopia, 45.

The pupil in health and in epilepsy, 514.

The question of the efficacy of subconjunctival injections of mercuric bichlorid in ophthalmic therapeutics, 185.

The therapeutic value of ice in ophthalmic surgery, 43.

The use of chlorin water in ocular therapeutics, 43.

Three cases of strabismus, with analogous diplopia. An original and an acquired fixation spot in the same eye, 46.

Three varieties of epiphoria, 186.

Transplantation of a strip of skin into the inter-marginal space of the lids, 506.

Tropa-cocain as a local anesthetic in eye surgery, 41.

Two cases of diphtheritic conjunctivitis treated by Klein's antitoxin,

Miscellaneous, 96, 238, 443.

Murrell, T. E., The value of scopolamin hydrochlorat in testing refraction, 478.

NORTON, C. E., A case illustrating the relation between the muscular balance of the eyes and their refractive condition, 326,

Note on 925 extractions of cataract, 39. Notes of a case of glioma of the retina, 317.

Notes on the recent meeting of the German Ophthalmological Society, 491.

OBSERVATIONS on some phases of opacity, and on luxation of the crystalline lens, 40.

Oliver, Charles A., Description of an improved form of trial frame, 498.

On cholesteatoma of the ear, 71.

On the alleged action of the oblique muscies in oblique astigmatism, 101.

Oppenheimer, Seymour, the advocation of a new method of operation for marked !diffuse cartilaginous deflection of the nasal septum, 598. PAPERS read at Seventeenth Annual Congress of the American Laryngological Association, 431.

Paralysis of both external recti following diphtheria, 171.

Paresis of accommodation following diphtheria treated by Behring's heilserum, 167.

Park, J. Walter, A case of acute purulent inflammation of middle ear with two attacks of double optic neuritis, no mastoid complication, frequent delirium, two operations and recovery, 57.

A new and more convenient instrument than the Politzer air bag for inflating the middle ear. 76.

Passow's method of transplantation for the radical (mastoid) operation in chronic suppurations of the middle ear, 533.

Phillips, Wendell C., Thyrotomy for removal of multiple papilloma of the larynx, 87.

Pilgrim, Maurice F., Is glaucoma curable without operation? 132.

Prentice, Chas. F., A problem in cemented bi-focal lenses. Solved by the prismdiopter, 20.

The iris as diaphragm and photostat, 456.

Professional news, 94, 234, 443, 611.

Prognostic significance of albuminuric retinitis, 291.

Pulsating exophthalmos, 486.

Purulent inflammation of the eyeball and orbital tissue, and paralysis of the ocular muscles as possible complications or sequelæ of influenza, 157.

REBER, Wendell, Abstracts from current neurological literature, 417, 584.

A case of alexia (word blindness) with right-sided homonymous hemianopsia, 421.

A case of subacute nuclear ophthalmoplegia with paralysis of the extremities, 585.

A case of tabes, associated with remotely previous hemiplegia, and exhibiting unilateral reflex iris paralysis, 423.

Clonic blepharospasm of hysterical origin in a male, 495.

Hysterical amblyopia and amaurosis, 587.

Intra-cranial gumma (f) with ocular symptoms, 586.

Is the physiognomy of the fundus oculi in epilepsy characteristic, 144.

Note of a case of softening of the right angular gyrus, with left-sided ptosis, 421. Optic neuritis as a sign of brain tumor, 422.

Peculiar iris-reaction in the presence of post-neuritic optic atrophy, 419.

Progressive muscular atrophy involving in its later stages the external ocular muscles, 584.

Tabes arrested by blindness, 588.

The alleged reflex causes of nervous diseases, 417.

The differential diagnosis of traumatic intra-cranial lesions, 584.

The disturbances of sensibility of the globe of the eye and its appendages in locomotor ataxia, 586.

Recurrent ulcers of the cornea of nasal origin, 240.

Relationship between diseases of the eye and brain, 345.

Remarks on the field of vision in certain cases of "neglected eyes," 249.

Removal of the superior maxillary bone for sarcoma, involving the central and orbital cavities and the antrum of Highmore, 466.

Report of a case in counter evidence to the infectious theory of sympathetic ophthalmia, 340,

Report of a case of double pediculated myxo-fibroma, 594.

Reports of seven interesting ear cases,

Restoration of qualitative perception of light after iridectomy in a case of complete blindness from glaucoma simplex, 52.

Retinitis pigmentosa. Report of case, 24.

Richardson, C. W., Report of a case of double pediculated myxo-fibroma, 594.

Richey, S. O., Chronic interstitial ophthalmitis (chronic simple glaucoma), 271.

Ring, Frank W., Foreign body in sclera for thirteen years, 164.

Ripening of immature cataract by direct trituration, 29.

Roy, Dunbar, Retinitis pigmentosa. Report of case, 24.

# SARCOMA of choroid, 324.

Saunders, Robert R., A case of gunshot injury involving both eyes, studied nine years after the accident, 350

An anomalous case of interstitial keratitis, 163.

Savage, G. C., The oblique muscles as related to oblique astigmatism. Reply to Dr. Hotz's criticism, 305. Scheppegrell, W., The comparative pathology of the negro in diseases of the nose, throat and ear, 589.

Semi-fluid preparations for nasal use, 225. Some findings concerning so-called muscle-imbalance and its treatment, 262.

Some of the difficulties of the ophthalmologist in a small city, 238.

Some remarks on skiascopy or the shadow test, 5.

Sponge in orbit after enucleation of eye. 241.

Spontaneous hemorrhage (bloody tears) from the conjunctiva, 169.

Subconjunctival injections in the treatment of eye diseases, 44.

Systematic acoustic gymnastics in the treatment of deafmutism and cases of nerve deafness in general; a system as advocated by Professor Urbantschitsch, of Vienna, 390.

Suker, George F., Gallicin, a gallic acid derivative—its use in the treatment of eye diseases, 338.

The formation of the stump after an enucleation, 484.

Surgical treatment of laryngeal tuberculosis, 431.

TETANUS following wound of lower evelid, 336.

The advocation of a new method of operation for marked diffuse cartilaginous deflection of the nasal septum, 598.

The application of the galvano-cautery in the nasal passages, 216.

The comparative pathology of the negro in diseases of the nose, throat and ear, from an analysis of 11,855 cases, 589.

The conjunctiva as a protective covering in extensive wounds of the cornea, 53. The corneal suture after cataract extrac-

tion, 54.

The evils of Wilde's incision, 528.

The formation of the stump after an enucleation, 484.

The halo, or rainbow symptom in glaucoma, 11.

The influence of affections of the upper

The influence of affections of the upper air-tract upon the ear, 63.

The injector of Delstanche, with modified

middle ear tip, 204.

The iris, as diaphragm and photostat,

456.
The laws of parallel ocular motion and

their misstatement in treatises and text-books, 109.

The nasal trephine in hypertrophy of the

inferior turbinated body, 91.

The oblique muscles as related to oblique astigmatism. Reply to Dr. Hotz's criticism, 305.

The physiology of certain oculo-motor phenomena with respect to some recent theories of asthenopia, 45.

The quarter dioptry cylinder—some testimony for, 328.

The reconstruction of the lid border in entropium of the upper lid, 296.

The relations of astigmatism and cataract, 166.

The so-called bleeding polypus of the nasal septum, 424.

The significance of albuminuric retinitis in pregnancy, 44.

The therapeutic value of ice in ophthalmic surgery, 43.

The use of chlorin water in ocular therapeutics, 43.

The use of formalin in ocular therapeutics, 48.

The use of local applications of guaiacol

in diseases of the throat, 233.

The value of scopolamin hydrochlorat in

testing refraction, 478. Thorington, J., Some remarks on skias-

copy or the shadow test, 5.
Thorner, Max, A new mastoid retractor,

Passow's method of transplantation for the radical (mastoid) operation in chronic suppurations of the middle ear, 533.

The importance of coryza in children, 534,

Thyrotomy for removal of multiple papilloma of the larynx, 87.

Tinnitus aurium and some results obtained by its treatment with coniin hydrobromate, 540.

Three cases of eye diseases of dental origin, 500.

Three cases of strabismus, with analogous diplopia. An original and an acquired fixation spot in the same eye, 46.

Translations from current foreign laryngological literature, 436, 602.

Traumatic paralysis of the external rectus, 473.

Treatment of traumatic cataract attended by rapid swelling of the lens, 16.

Tropa-cocain as a local anesthetic in eye surgery, 41.

Tuberculosis of the temporal hone, Extension of the tubercular inflammation to the base of the temporosphenoidal lobe, 68.

U PON deaf-dumbness, 77.

WEILAND, Carl, A new artificial eye, made entirely of glass and giving images of exactly the same size as the schematic eye of Helmholtz, 220.

Which nerves give rise to the sensation of photophobia? 454.

Willetts, Joseph E., The halo, or rainbow symptom in glaucoma, 11.

Wood, Casey A., Abstracts from current foreign ophthalmic literature, 48, 165, 367, 519.

A case of chalkosis of the retinæ, 172.

A case of repair of a large rupture of the lens capsule without the formation of cataract, 375.

Anterior synechiæ and their treatment by synechotomy, 520.

Bilateral, congenital ptosis, associated with complete paralysis of all the external ocular muscles, 55.

Fibro-sarcoma of the orbit, 521. Gland-like bodies beneath the anterior lenticular capsule, 377.

Massage of the eye, 519.

Meeting of the German Ophthalmological society, 491.

Myoma of the choroid, 372.

Notes on the recent meeting of the German Ophthalmological Society, 491.

Operations for secondary cataract, 523.

Panophthalmitis produced by old leucomata adherentia, 520.

Paralysis of both external recti following diphtheria, 171. Paresis of accommodation following diphtheria treated by Behring's heilserum, 167.

Restoration of qualitative perception of light after iridectomy in a case of complete blindness from glaucoma simplex, 52.

Some theories relative to the causation of glaucoma, 524.

Spontaneous hemorrhage (bloody tears) from the conjunctiva, 169.

Tattooing the cornea for the purpose of improving vision, 170.

The conjunctiva as a protective covering in extensive wounds of the cornea, 53.

The corneal suture after cataract extraction, 54.

The ocular complications of diabetes, 523.

The operative treatment of high degrees of myopia, 368.

The pneumococcus in ocular pathology, 522.

The relations of astigmatism and cataract, 166.

The Vossius method in cataract extraction, 375.

Variations in the pupil accompanying pulmonary tuberculosis, 367.

What is the best treatment of hernia of the iris? 522.

ZIMMERMAN, M. W., Hypermetropia of high degree, with a study of cases 123.

## CONTENTS OF VOLUME IV.

## NUMBER I.

## ORIGINAL COMMUNICATIONS.

	OPHTHALMOLOGY.	
		GE.
1.		
	Dennis, M. D., of Erie, Pa	1
2.	Skiascopy or the Shadow Test. By J. Thorington, M. D., of	
	Philadelphia	5
3.	The Halo Symptom in Glaucoma. By Joseph E. Willetts, M. D.,	
	of Pittsburg, Pa	11
4.	Treatment of Traumatic Cataract Attended by Rapid Swelling of	
	the Lens. By James Moores Ball, M. D., of St. Louis	16
5.	A Problem in Cemented Bi-Focal Lenses Solved by the Prism-	20
0.	Diopter. By Chas. F. Prentice, of New York	20
6.	Retinitis Pigmentosa; Report of Case. By Dunbar Roy, M. D.,	20
0.		0.4
_	of Atalanta, Ga	24
7.	Ripening of Immature Cataract by Direct Trituration. By	20
0	Boerne Bettman, M. D., of Chicago	29
8.	Fibroma of Eyelids. Embolism of the Inferior Branch of the	
	Central Retinal Artery. By Geo. H. Goode, M. D., of Cincin-	
	nati, Ohio34	35
9.	Detachment of Retina. By Wm. E. Bruner, M. D, of Cleavland,	
	Ohio	36
10.	Abstracts from Current American and English Ophthalmic	
	Literature. By Charles H. May, M. D., of New York	38
11.	Abstracts from Foreign Current Ophthalmic Literature. By	
	Casey A. Wood, M. D., of Chicago	48
	OTOLOGY.	
	OTOLOGY.	
12.	Case of Acute Purulent Inflammation of Middle Ear, with Double	
	Optic Neuritis. By J. Walter Park, M. D., of Harrisburg, Pa.	57
13.	The Influence of Affections of the Upper Air-Tract upon the Ear.	
	By H. A. Alderton, M. D., of Brooklyn, N. Y.	63
4.	Tuberculosis of Temporal Bone. Extension to Base of Temporo-	
	Sphenoidal Lobe. (Translated by H. A. Alderton, M. D.,	
	of Brooklyn, N. Y.) By Otto Koerner, M. D.	68
5.	On Cholesteatoma of the Ear. (Translated by George Morgen-	-
٠,	thau, M. D., of Chicago.) By Dr. B. Baginsky	71
	man, mi bi, or concepti, by bi, b. baginery	0.4

024	CONTENTS OF VOLUME IV.	
	P	AGE
16.	New and More Convenient Instrument than Politzer's Air Bag for Inflating the Middle Ear. By J. Walter Park, M. D., of Harrisburg, Pa.	76
17.	Abstracts from Foreign Current Otologic Literature. By H. A. Alderton, M. D., of Brooklyn, N. Y	77
18.	List of Contributors to Otological Literature for 1894. By T. Melville Hardie, M. D., of Chicago	79
	RHINOLOGY AND LARYNGOLOGY.	
19.	Thyrotomy for Removal of Multiple Papilloma of the Larynx. By Wendell C. Phillips, M. D., of New York	87
20.	The Nasal Trephine in Hypertrophy of the Inferior Turbinated Body. By G. Melville Black, M. D., of Denver, Colo	91
	MISCELLANEOUS.	
21.	Professional News.	94
22.	Book Notices	95
23.	Miscellaneous	98
24.	List of Collaborators and Contributors	111
25.	To Contributors	112

#### NUMBER II.

#### ORIGINAL COMMUNICATIONS.

	OPHTHALMOLOGY.	
_		AGE
1.		101
0	Astigmatism. By F. C. Hotz, M. D., of Chicago	101
2.	The Laws of Parallel Ocular Motion and their Misstatement in	
	Treatises and Text-Books. By F. B. Eaton, M. D., of Port-	100
0	land, Ore	109
3.	Hypermetropia of High Degree, with a Study of Cases. By M.	100
	W. Zimmermann, M. D., of Philadelphia	123
4.	A New Operation for the Advancement of the Recti. By C. Prentice	128
5.	Is Glaucoma Curable Without Operation? By Maurice F.	120
0.	Pilgrim, A. B., M. D., of Carbondale, Pa	132
6.	Is the Physiognomy of the Fundus Oculi in Epilepsy Character-	102
0.	istic? By Wendell Reber, M. D., of Pottsville, Pa	144
7.		141
• •	bismus. By W. Franklin Coleman, M. D., of Chicago	149
8.	Purulent Inflammation of the Eyeball and Orbital Tissue, and	110
~	Paralysis of the Ocular Muscles as Possible Complications or	
	Sequelæ of Influenza. By Charles Stedman Bull, M. D., of	
	New York	157
9.	An Anomalous Case of Interstitial Keratitis. By Robert R.	
	Saunders, M. D., of Philadelphia	163
10.	Foreign Body in Sclera for Thirteen Years. By Frank W. Ring,	
	M. D., of New York	164
11.	Abstracts from Foreign Ophthalmic Journals. By Casey A.	
	Wood, M. D., of Chicago	165
12.	Abstracts From Current American and English Ophthalmic	
	Literature. By Charles H. May, M. D., of New York	174
	OTOLOGY.	
13.	Exfoliation of the Cochlea, Vestibule and Semi-circular Canals.	
	By M. A. Goldstein, M. D., of St. Louis, Mo	189
14.	An Unusual Case of Aural Deformity; Operation. By J.	
	Holinger, M. D., of Chicago	201
15.	The Injector of Delstanche, with Modified Middle Ear Tip. By	
	David N. Dennis, M. D., of Erie, Pa	204
16.	Abstracts from Current Foreign Otological Literature. By T.	
	Melville Hardie, B. A., M. D., of Chicago	206

#### RHINOLOGY AND LARYNGOLOGY

	RHINOLOGI AND LAKINGOLOGI.	
17		PAGE
11.	Extensive Perforations of the Bony Septum. By D. Bryson Delavan, M. D., of New York	214
18.		214
20.	By J. W. Gleitsmann, M. D., of New York	216
19.	A Case of Fibroma of the Nasal Fossa. By Charles H. Knight,	210
	M. D., of New York	220
20.	A few Modifications in the Operating Process of Adenoid	
	Tumors. By A. A. Foucher, M. D., of Montreal	222
21.	Semi-fluid Preparations for Nasal Use. By Walter F. Chappell,	
	M. D., of New York	225
22.	Foreign Bodies in the Ear and Nose. By M. D. Lederman, M.	
	D., of New York	228
23.	The Use of Local Applications of Guaiacol in Diseases of the	
	Throat. By Hal Foster, M. D., of Kansas City, Mo	233
24.	Professional News	234
	Program Ophthalmic Section American Medical Association	234
	Practice for Sale	238
25.	Miscellany	238
26.	Book Notices	242

## NUMBER III.

## ORIGINAL COMMUNICATIONS.

$-\epsilon n$	$\rho_{11}$	1111	AT	MO	1.00	

	р.	AGE.
1.	Remarks on the Field of Vision in Certain Cases of "Neglected Eyes." By G. E. de Schweinitz, M. D., of Philadelphia	249
2.	Some Findings Concerning So-called Muscle-Imbalance and its Treatment. By George M. Gould, A. M., M. D., of Phila-	200
3.	delphia Chronic Interstitial Ophthalmitis. (Chronic Simple Glaucoma.)	262
4.	By S. O. Richey, M. D., of Washington, D. C	271
5.	Belt, M. D., of Washington, D. C	291
6.	Upper Lid. By F. C. Hotz, M. D., of Chicago Hereditary Retro-Bulbar Neuritis. By Oscar Dodd, M. D., of	296
7.	Chicago  The Oblique Muscles as Related to Oblique Astigmatism: Reply to Dr. Hotz's Criticism. By G. C. Savage, M. D., of Nash-	300
8.	ville, Tenn	305
	M. D., of Ottawa, Canada	317
9.	A New Artificial Eye, Made Entirely of Glass and Giving Images of Exactly the Same Size as the Schematic Eye of Helmholtz.	
10.	By Carl Weiland, M. D., of Philadelphia	320
11.	Canada	324
12.	M. D., of Lewiston, Maine	326
13	Hamilton, M. D., of Wichita, Kan	328
14.	Keiper, A. M., M. D., of Lafayette, Ind	336
15.	Eye Diseases. By George F. Suker, M. D., or Toledo, Ohio Report of Case in Counter Evidence to Infectious Theory of	338
	Sympathetic Ophthalmia. By H. L. Hilgartner, M. D., of Austin Texas.	340
16.	Relationship Between Diseases of the Eye and Brain. By Robert Fields LeMond, A. M., M. D., of Denver, Colo	345
17.	Gunshot Injury Involving Both Eyes, Studied Nine Years After the accident. By Robert R. Saunders, M. D., of Philadelphia.	350

18.	Case of Retention of a Metallic Splinter in a Blind Eye for Seventeen Years Without the Occurrence of Sympathetic Inflammation. Case of Membrana Pupillaris Perseverans in Both Eyes in an Adult. By J. M. Banister, A. B., M. D., of Fort Leav-	
19.	enworth, Kan. Abstracts from American and English Ophthalmic Journals. By	353
20.	Charles H. May, M. D., of New York	356 367
	OTOLOGY,	
21.	Reports of Seven Interesting Ear Cases. By D. Milton Greene,	
41.	M. D., of Grand Rapids, Mich	379
22.	Systematic Acoustic Gymnastics in the Treatment of Deaf- mutism and Cases of Nerve Deafness in General, as Advocated	
	by Professor Urbantschitsch, of Vienna. By J. Steele Barnes, M. D., of Milwaukee	390
23.	Translations from Current Foreign Otological Literature. (Abridged). By Henry A. Alderton, M. D., of Brooklyn	395
24.	Abstracts from Current Foreign Otological Literature. By T. Melville Hardie, M. D., of Chicago	405
25.	Abstracts from Current American and English Otological Litera- ture. By Leonard A. Dessar, M. D., of New York	412
	NEUROLOGY.	
00	Abstracts from Current Neurological Literature. By Wendell	
26.	Reber, M. D., of Pottsville, Pa	417
	RHINOLOGY AND LARYNGOLOGY.	
27.	The So-called Bleeding Polypus of the Nasal Septum. By W. Freudenthal, M. D., of New York	424
28.	Surgical Treatment of Laryngeal Tuberculosis; Abstract of a	
00	Paper. By J. W. Gleitsmann, M. D., of New York	431
29.	Acute Tonsillitis Dependent Upon the Rheumatic Diathesis; Abstract of a Paper. By George B. Hope, M. D., of New York	434
30.	Case of Circumscribed Gummatous Ulcerative Tumor of the Larynx. By Dr. E. W. Tschlenow, of Moscow. Translated	101
	and abridged by J. W. Gleitsmann, M. D., of New York	436
31.	Abstracts from Current Rhinological and Laryngological Literature. By M. D. Lederman, M. D., of New York	439
n .		
	essional Newstice For Sale.	443 443
1180		110
	BOOK NOTICES.	
Skia	scopy and its Practical Application to the Study of Refraction.	***
Will	By Edward Jackson, A. M., M. D.  Eye Hospital Reports, Vol. I, No. 1.	444
	stem of Legal Medicine. By Allen McLane Hamilton, M. D	444
	Year-Book of Treatment for 1895	447

#### NUMBER IV.

	the state of the s	
	OPHTHALMOLOGY.	
	P	AGE.
1.	Identical Retinal Impressions on Corresponding Points Not Necessary for Binocular Single Vision. By F. B. Eaton, M. D.,	
2.	of Portland, Ore	451
3.	H. Gradle, M. D., of Chicago The Iris, as Diaphragm and Photostat. By Charles F. Prentice,	454
4.	M. E., of New York	456
5.	more. By Walter B. Johnson, M. D., of Paterson, N. J	466
6.	A. M., M. D., of Cleveland, Ohio	473
7.	L. Ledbetter, M. D., of Birmingham, Ala	476
8.	By T. E. Murrell, M. D., of St. Louis, Mo	478
9.	F. Suker, M. D., of Toledo, Ohio	484
10	Charleston, W. Va	486
11.	Society. By Casey A. Wood, M. D., of Chicago	491
12.	Wendell Reber, M. D., of Pottsville, Pa  Description of an Improved Form of Trial Frame. By Charles	495
13.	A. Oliver, A. M., M. D., of Philadelphia, Pa	498
14.	Foucher, M. D., of Montreal.  Abstracts from Current American and English Ophthalmic Liter-	500
	ature. By Charles H. May, M. D., of New York	503
15.	Abstracts from Foreign Current Ophthalmological Literature. By Casey A. Wood, M. D. of Chicago	519
	OTOLOGY.	
16.	An Otological Convenience. By Henry A. Alderton, M. D., of	
	Brooklyn	525
17. 18.	A New Middle Ear Syringe. By W. H. Bates, M. D., of New York A New Mastoid Retractor. By Max Thorner, A. M., M. D., of	527
	Cincinnati, O	528

19.	A Cicatrix of the Membrana Tympani, Vibrating Synchronously with the Respiration and the Pulse. By Henry A. Alder-	-
20.	ton, M. D., of Brooklyn	531
	By Max Thorner, of Cincinnati	533
21.	Eczema of the Ears. By J. Abbott Cantrell, M. D., of Phila- delphia.	535
22.	Tinnitus Aurium and Some Results Obtained by its Treatment with Coniin Hydrobromate. By Vincent Gomez, M. D., of	330
00	Brooklyn, N. Y.	540
23.	The Evils of Wilde's Incision—A. Chipault and A. Demoulin.  Translated by Vincent Gomez, M. D., of Brooklyn, N. Y	547
24.	Translations from Current Foreign Otological Literature	
25.	(Abridged). By H. A. Alderton, M. D., of Brooklyn, N. Y Abstracts from Foreign Current Otological Literature. By T.	551
	Melville Hardie, M. D., of-Chicago	561
26.	Proceedings of the fourth meeting of the German Otological Association. Translated (Abridged) by T. Melville Hardie,	
	M. D., of Chicago	564
27.	Abstracts from Current American and English Otological Liter- ature. By Leonard A. Dessar, M. D., of New York	576
	NEUROLOGY.	
28.	Abstracts from Current Neurological Literature. By Wendell Peber, of Pottsville, Pa.	584
	RHINOLOGY AND LARYNGOLOGY.	
29.	The Comparative Pathology of the Negro in Diseases of the Nose, Throat and Ear, from an Analysis of 11,855 Cases. By	
30.	W. Scheppegrell, A. M., M. D., of New Orleans, La	589
ov.	W. Richardson, M. D., of Washington, D. C.	594
31.	The Advocation of a New Method of Operation for Marked	
	Diffused Cartilaginous Deflection of the Nasal Septum. By Seymour Oppenheimer, M. D., of New York	598
32.	Translations from Current Foreign Laryngological Literature	999
33.	(Abridged). By J. W. Gleitsmann, M. D., of New York Abstracts from Current Rhinological and Laryngological Liter-	602
	ature. By M. D. Lederman, M. D., of New York	606
Pro	fessional News	611

